

Date: Monday, 5/14/2007 7:13:16 AM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : DART 5-MAN 3-POINT FWD FACING SHOULDER HARNESS KIT
Job Number : 32330	
Estimate Number : 12866	
P.O. Number :	Part Number : D412702043B
This Issue : 5/14/2007 S.O. No. :	Drawing Number : D412702043B
Prsht Rev. : NC	Project Number : N/A
First Issue : / / Type : SMALL /MED FAB	Drawing Revision : D
Previous Run :	Material :
Written By : <u> </u>	Due Date : 5/15/2007 Qty: 1 Um: Each
Checked & Approved By : <u> </u>	
Comment : est rev 07.05.10 new issue EC	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	DC	DOCUMENT CONTROL
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Comment: DOCUMENT CONTROL

Photocopy bluefile & type labels per PPP D412-702-043B CHG001

KS 07.05.16 (1)

2.0	D412702059	GROMMET KIT
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Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

GROMMET KIT

batch: B 32329 ✓

3.0	D412702101B	HARNESS ASSEMBLY
-----	-------------	------------------



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

HARNESS ASSEMBLY

batch: B 32332 ✓

4.0	D412702103B	HARNESS ASSEMBLY
-----	-------------	------------------



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

HARNESS ASSEMBLY

batch: B 32333 ✓

5.0	D412702105B	HARNESS ASSEMBLY
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Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

HARNESS ASSEMBLY

batch: B 32334 ✓

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 5/14/2007 7:13:16 AM

User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DART 5-MAN 3-POINT FWD FACING SHOULDER HARNESS
KIT

Job Number: 32330

Part Number: D412702043B

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

D412702107B

HARNESS ASSEMBLY



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

HARNESS ASSEMBLY

batch: 1532335 ✓

7.0

D412702109B

HARNESS ASSEMBLY



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

HARNESS ASSEMBLY

batch: 1532336 ✓

8.0

D35421

BRACKET



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

BRACKET

batch: 1532125 ✓

9.0

D35711

GUIDE



Comment: Qty.: 3.0000 Each(s)/Unit Total : 3.0000 Each(s)

GUIDE

batch: 1531868 ✓

10.0

D35713

GUIDE



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

GUIDE

batch: 1531869 ✓

11.0

D3578041

DOUBLER



Comment: Qty.: 6.0000 Each(s)/Unit Total : 6.0000 Each(s)

DOUBLER

batch: 1532240 ✓

12.0

D3610041

BRACKET



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

BRACKET

batch: 1532240 ✓

7/5/14 SP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Monday, 5/14/2007 7:13:16 AM

User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DART 5-MAN 3-POINT FWD FACING SHOULDER HARNESS
KIT

Job Number: 32330

Part Number: D412702043B

Job Number:



Seq. #:

Machine Or Operation:

Description :

13.0

D36181

CAP



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

CAP

batch: M 32426 ✓

14.0

AN410A

Bolt



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Bolt

batch: M101291 ✓

15.0

AN444A

Eyebolt



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Eyebolt

batch: M19512 ✓

16.0

MS24693S274

Screw



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Screw

batch: M100214 M104214

17.0

MS24694S56

SCREW



Comment: Qty.: 3.0000 Each(s)/Unit Total : 3.0000 Each(s)

SCREW

batch: M14199 ✓

18.0

MS24694S58

Screw



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Screw

batch: M104407 ✓

19.0

MS24694S60

Screw



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Screw

batch: M104407 ✓

7/5/1459

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: 2 Date: 07/05/16
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
					/			

NOTE: Date & initial all entries

Date: Monday, 5/14/2007 7:13:16 AM
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Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DART 5-MAN 3-POINT FWD FACING SHOULDER HARNESS
KIT

Job Number: 32330

Part Number: D412702043B

Job Number:



Seq. #:

Machine Or Operation:

Description :

20.0

AN960JD416

Washer



Comment: Qty.: 6.0000 Each(s)/Unit Total : 6.0000 Each(s)

Washer

batch: M102929 ✓

21.0

AN960JD416L

Washer



Comment: Qty.: 4.0000 Each(s)/Unit Total : 4.0000 Each(s)

Washer

batch: M102929 ✓

22.0

MS21042L4

Nut



Comment: Qty.: 6.0000 Each(s)/Unit Total : 6.0000 Each(s)

Nut

batch: M103914 ✓

23.0

CR321244

Cherry Rivet



Comment: Qty.: 12.0000 Each(s)/Unit Total : 12.0000 Each(s)

Cherry Rivet

batch: M16612 ✓

M18052

2/5/1489

24.0

QCS

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

C26710516 (1)

2/5/16 (1)

25.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D412-702-043B CHG001

Location:

PPP Rev: DART

2/5/16 (1)

Inspection level 21 2/5/16 (1)

Job Completion



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	Part Number	Description
X					D412-702-041B	Dart 13-Man 3-Point Shoulder Harness Kit
	X				D412-702-043B	Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit
		X			D412-702-045B	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
			X		D412-702-047B	Dart 4-Man 3-Point Side Facing Shoulder Harness Kit
				X	D412-702-049B	Dart 1-Man 3-Point Forward Shoulder Harness Kit
1	1		1	1	D412-702-059	GROMMET KIT
2	1		1		D412-702-101B	HARNESS ASSEMBLY
1*	1*		1*		D3573-7	ADAPTER
1*	1*		1*		D3579-046	SHOULDER HARNESS
1*	1*		1*		K6.2	CLIP
4*	4*		4*		MS24693S272	SCREW
4*	4*		4*		AN960JD10LL	WASHER
4*	4*		4*		MS21042L3	NUT
1*	1*		1*		D3569-3	DECAL
2	1		1		D412-702-103B	HARNESS ASSEMBLY
1*	1*		1*		D3573-8	ADAPTER
1*	1*		1*		D3579-045	SHOULDER HARNESS
1*	1*		1*		K6.2	CLIP
4*	4*		4*		MS24693S272	SCREW
4*	4*		4*		AN960JD10LL	WASHER
4*	4*		4*		MS21042L3	NUT
1*	1*		1*		D3569-3	DECAL
1	1			1	D412-702-105B	HARNESS ASSEMBLY
1*	1*			1*	D3573-1	ADAPTER
1*	1*			1*	D3579-046	SHOULDER HARNESS
1*	1*			1*	K6.2	CLIP
4*	4*			4*	MS24693S273	SCREW
4*	4*			4*	AN960JD10LL	WASHER
4*	4*			4*	MS21042L3	NUT
1*	1*			1*	D3569-3	DECAL
1	1				D412-702-107B	HARNESS ASSEMBLY
1*	1*				D3573-3	ADAPTER
1*	1*				D3579-046	SHOULDER HARNESS
1*	1*				K6.2	CLIP
4*	4*				MS24693S272	SCREW
4*	4*				AN960JD10LL	WASHER
4*	4*				MS21042L3	NUT
1*	1*				D3569-3	DECAL
1	1				D412-702-109B	HARNESS ASSEMBLY
1*	1*				D3573-3	ADAPTER
1*	1*				D3579-045	SHOULDER HARNESS

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NO. 32330

25-00-00
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QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	Part Number	Description
1*	1*				K6.2	CLIP
4*	4*				MS24693S272	SCREW
4*	4*				AN960JD10LL	WASHER
4*	4*				MS21042L3	NUT
1*	1*				D3569-3	DECAL
2		2			D412-702-111B	HARNESS ASSEMBLY
1*		1*			D3570-1	BRACKET
1*		1*			D3579-047	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
4*		4*			MS21042L3	NUT
1*		1*			D3569-3	DECAL
2		2			D412-702-113B	HARNESS ASSEMBLY
1*		1*			D3570-2	BRACKET
1*		1*			D3579-048	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
4*		4*			MS21042L3	NUT
1*		1*			D3569-3	DECAL
1			1		D412-702-115B	HARNESS ASSEMBLY
1*			1*		D3573-5	ADAPTER
1*			1*		D3579-046	SHOULDER HARNESS
1*			1*		K6.2	CLIP
4*			4*		MS24693S272	SCREW
4*			4*		AN960JD10LL	WASHER
4*			4*		MS21042L3	NUT
1*			1*		D3569-3	DECAL
1			1		D412-702-117B	HARNESS ASSEMBLY
1*			1*		D3573-5	ADAPTER
1*			1*		D3579-045	SHOULDER HARNESS
1*			1*		K6.2	CLIP
4*			4*		MS24693S272	SCREW
4*			4*		AN960JD10LL	WASHER
4*			4*		MS21042L3	NUT
1*			1*		D3569-3	DECAL
2	2				D3542-1	BRACKET
7	3		4	1	D3571-1	GUIDE
2	2				D3571-3	GUIDE
2		2			D3572-041	GUIDE ASSEMBLY
12	6		6	2	D3578-041	DOUBLER
2	2				D3610-041	BRACKET
2	2				D3618-1	CAP
4	4				AN4-10A	BOLT
2		2			AN4-16A	BOLT
4		4			AN4-25A	BOLT
2	2				AN4-44A	BOLT

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WORK ORDER
NO 32330

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	Part Number	Description
2	2				MS24693S274	SCREW
3	3			1	MS24694S56	SCREW
10	2		8		MS24693S58	SCREW
1	1			1	MS24693S60	SCREW
26	6	20			AN960JD416	WASHER
4	4				AN960JD416L	WASHER
12	6	6			MS21042L4	NUT
24	12		12	4	CR3212-4-4	RIVET

*DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

25.29 Parts Lists for Dart Grommet Kits

QTY -059	QTY -069	Part Number	Description
X		D412-702-059	GROMMET KIT
	X	D412-702-069	GROMMET KIT
48		D3619-1	GROMMET
1		D3619-1T1	HOLE PUNCH
1		D3619-1T2	STRIKER BLOCK
1		D3619-1T3	PUNCH
1		D3619-1T4	DIE
	24	D3619-2	GROMMET
	1	D3619-2T1	HOLE PUNCH
	1	D3619-2T2	STRIKER BLOCK
	1	D3619-2T3	PUNCH
	1	D3619-2T4	DIE

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